0289Ⓐ **⊘ AIPHONE**

SURFACE-MOUNT BACK BOX

MODEL; **VC-BBX**

INSTALLATION MANUAL

1 DESCRIPTION

VC-BBX is a surface-mount back box for Aiphone's VC-M Apartment Entry Security System
Models; **VC-0M, VC-1M, VC-2M, VC-4M, VC-8M & VC-10M**
 VCH-8, VCH-16(add-on panels)

VC-BBX can be assembled in multiples for such cases as VC-M unit is installed together
with VCH-8/16 add-on panel(s).

When mounting VC-nM/VCH panels to VC-BBX, back boxes supplied with each VC-nM/VCH
units are not used. Back illumination kit is not supplied with VC-BBX. If required, please use
the one supplied with VC-nM/VCH units.

Mounting accessories;
 Screw(x 2)   **Wood screw(x 2)**

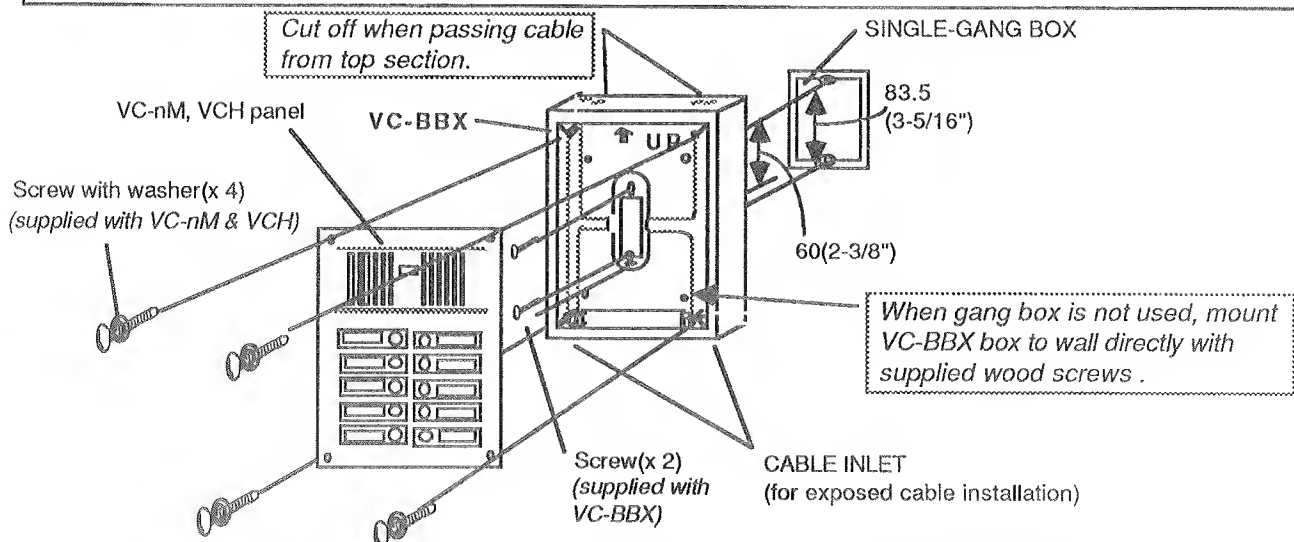 (for mounting to gang box)   (for mounting to wall surface)

2 INSTALLATION

(1) Mounting VC-nM panel to VC-BBX box;

Cut off when passing cable from top section.

SINGLE-GANG BOX

VC-nM, VCH panel   **VC-BBX**

83.5 (3-5/16")

Screw with washer(x 4) *(supplied with VC-nM & VCH)*

↑ UP

60(2-3/8")

When gang box is not used, mount VC-BBX box to wall directly with supplied wood screws .

Screw(x 2) *(supplied with VC-BBX)*

CABLE INLET (for exposed cable installation)
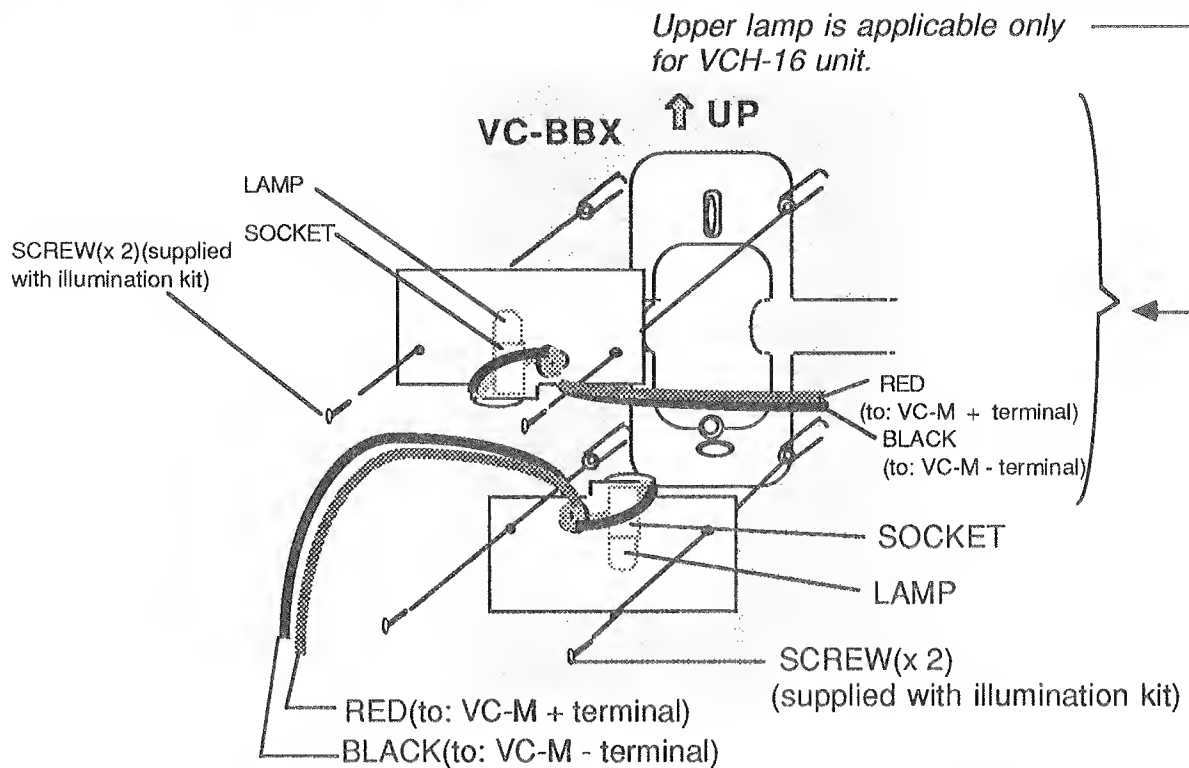
As shown, VC-BBX may be mounted on single-gang box or to wall directly. Two cable inlets are
provided at the bottom on VC-BBX, or may be introduced from top of VC-BBX, by removing either
of two inlet parts by a knife.

1

(2) Mounting illumination lamp;

Upper lamp is applicable only for VCH-16 unit.

VC-BBX　⇧ **UP**

LAMP

SCREW(x 2)(supplied with illumination kit)

SOCKET

RED
(to: VC-M + terminal)

BLACK
(to: VC-M - terminal)

SOCKET

LAMP

SCREW(x 2)
(supplied with illumination kit)

RED(to: VC-M + terminal)

BLACK(to: VC-M - terminal)

As shown, attach the back illumination lamp at the lower studs for VC-nM and VCH-8 units.

Attach the illumination plate to VC-BBX box
in such a manner as the lamp is located
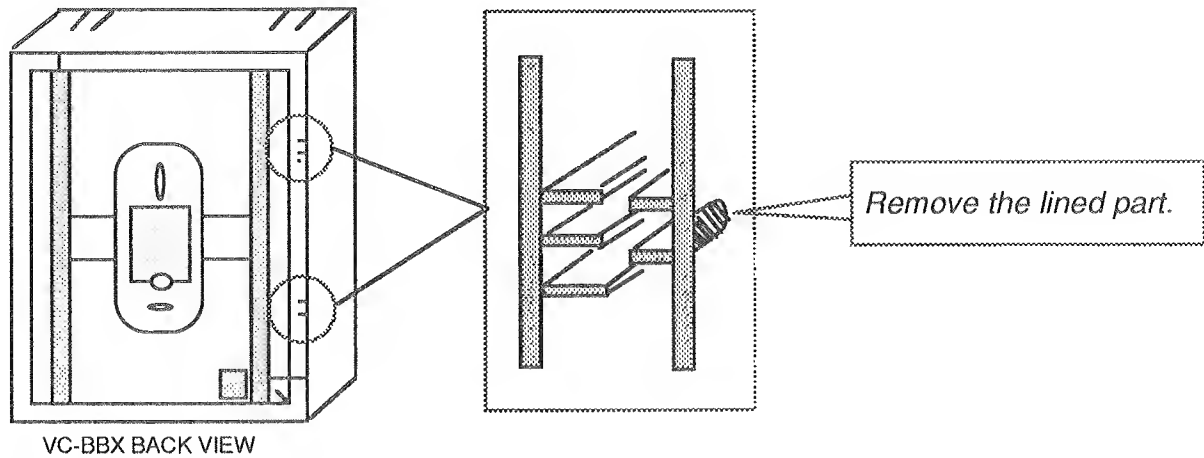between VC-BBX and the plate.

VC-nM
VCH
panel

VC-BBX

LAMP

Illumination plate
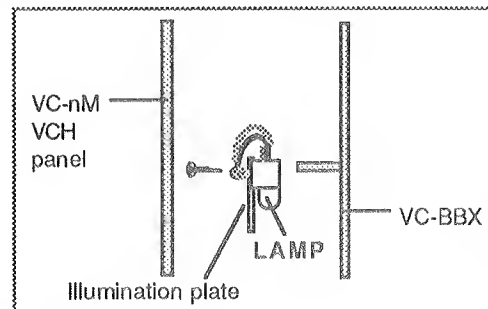
(3) Assemblying VC-BBX boxes;

(1)　Separate connecting blocks from the VC-BBX box.

⇧ UP

Cut off at 4 points to remove connecting blocks.

VC-BBX BACK VIEW　　CONNECTING BLOCKS　**2**
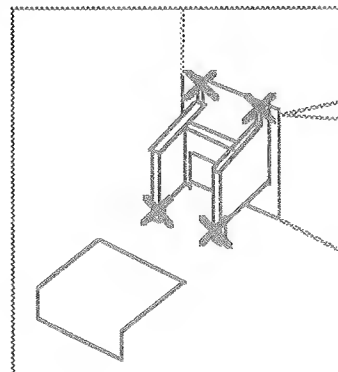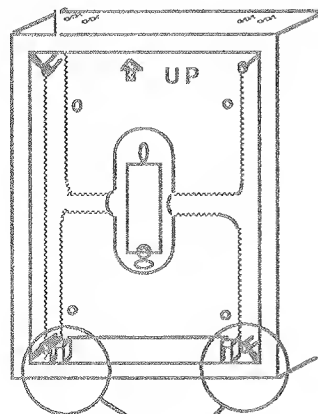
(2) Knock out outside walls, as shown.

VC-BBX BACK VIEW

Remove the lined part.

(3) Assemble two VC-BBX boxes with two connecting blocks.
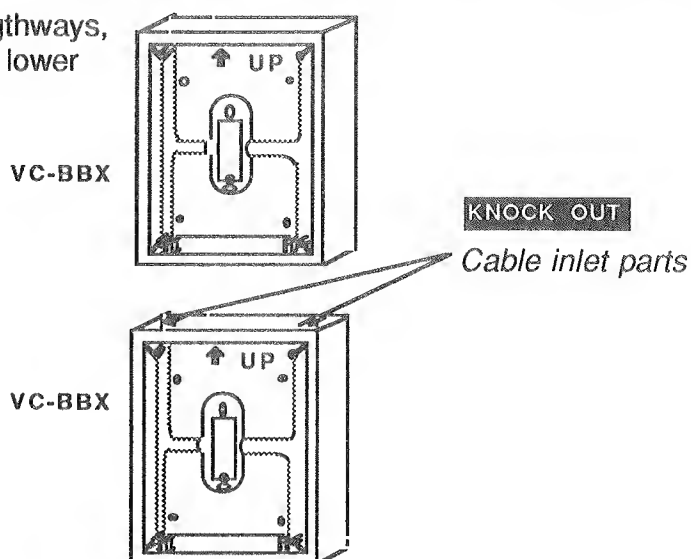
VC-BBX BACK VIEW
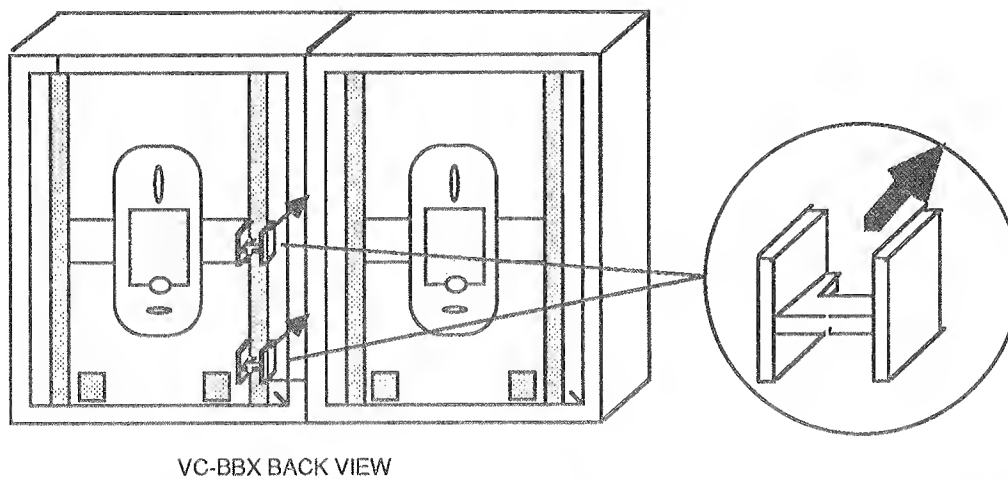
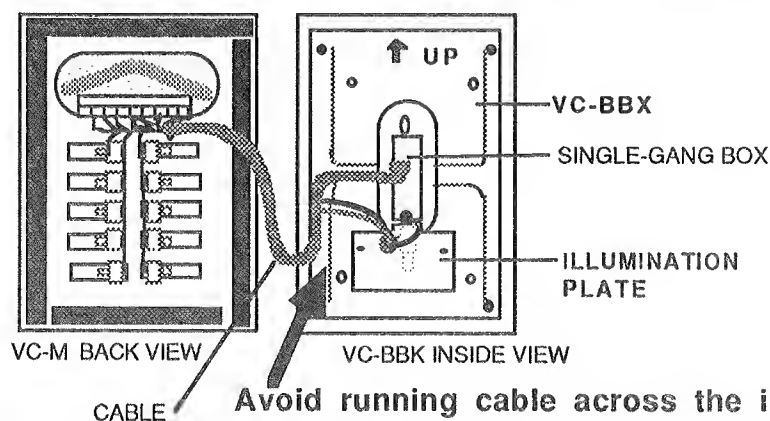(4) After mounting VC-BBX box(es) to wall and wiring, attach VC-nM and VCH panels to VC-BBX(s).

UP

UP

3
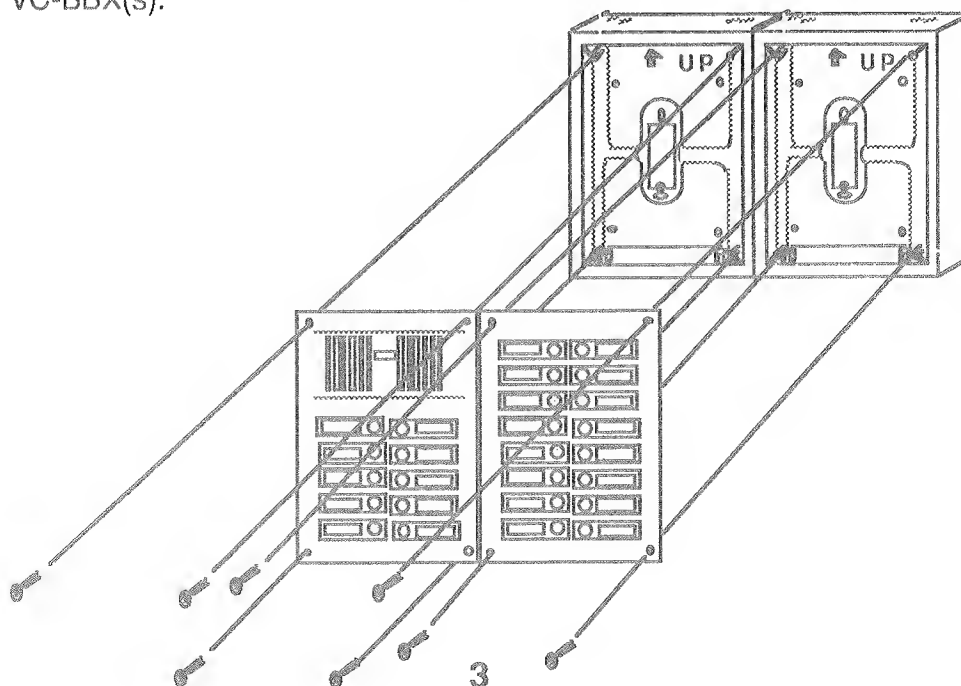
(4) PRE-INSTALLATION INSTRUCTIONS

(1) When assembling VC-BBX boxes lengthways, knock out cable inlet parts on top of the lower VC-BBX box.

VC-BBX

KNOCK OUT

Cable inlet parts

VC-BBX

(2) Be careful that cable should be run so as not to be pinched by the illumination plate.

VC-BBX

SINGLE-GANG BOX

ILLUMINATION PLATE

VC-M BACK VIEW   VC-BBK INSIDE VIEW

CABLE   **Avoid running cable across the illumination plate.**

(3) To avoid worms, etc. from coming into the box, it is suggested that rags or sponges, etc. be put thru the cable inlets.

↑UP   VC-BBX

CONNECTING CABLE

VC-BBX INSIDE VIEW
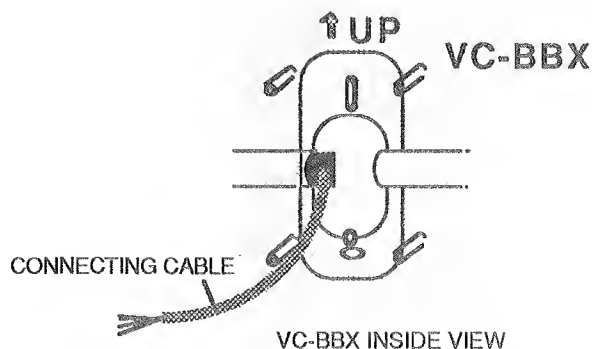
Dimensions: H: 264 x W: 190 x D: 52(mm)(10-3/8" x 7-1/2" x 2-1/16")
59mm(2-5/16") deep with VC-M panel mounted on VC-BBX.